

METHOD FOR TREATING A MEDIUM WITH ULTRASONIC TRANSDUCERSPrior Application

This is a continuation-in-part application of U.S.
5 patent application serial no. 10/451,962, ^{still pending} filed 27 June 2003
that claims priority from PCT application no. PCT/SE02/02195,
filed 28 November 2002, that claims priority from US
provisional patent application serial no. 60/339,380, filed 11
December 2001.

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Technical Field

The present invention is a method for treating
slurry or a liquid, such as sludge or polluted water in sewage
works, with ultrasonic transducers.

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Background and Summary of Invention

Ultrasonic energy has been applied to liquids in the
past. Sufficiently intense ultrasonic energy applied to a
liquid, such as water, produces cavitation that can induce
20 changes in the physiochemical characteristics of the liquid.
The subject of sonochemistry, which deals with phenomena of
that sort, has grown very much during recent years.

The published material in sonochemistry and related
subjects all pertains to batch processes, that is, the liquid
25 solution or dispersion to be treated is placed in a container.
The liquid in the container is then stirred or otherwise
agitated, and ultrasound is applied thereto. It is then